Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended)   A method of identifying a portion of computer program code as a candidate for a modification, said method comprising:

scanning and parsing source code corresponding to the computer program code   to determine static information concerning the computer program code;

storing the static information in a database;

collecting dynamic information concerning the computer program code during an execution of the computer program code;

storing the dynamic information in the database;

developing relationships and dependencies responsive to the static information and dynamic information stored in database;

storing the relationships and dependencies in the database; and

providing for a query of the database to produce a set of potential candidates of computer program code meeting a constraint of the query, wherein the query identifies a portion of the computer program code as a candidate for re-implementation as a Web-enabling interface call.

2. (Original)   The method of claim 1 wherein if insufficient candidates are returned by the query,

then providing for a relaxing of the constraint, and a repetition of the query.

3. (Original)   The method of claim 2 further comprising the step of identifying a portion of the

computer program code as a candidate for re-implementation as a database stored procedure call.

4. (Previously Amended) A method of identifying a portion of computer program code as a candidate for a modification, said method comprising:

scanning and parsing source code corresponding to the computer program code to determine static information concerning the computer program code;

storing the static information in a database;

collecting dynamic information concerning the computer program code during an execution of the computer program code;

storing the dynamic information in the database;

developing relationships and dependencies responsive to the static information and dynamic information stored in database;

storing the relationships and dependencies in the database;

providing for a query of the database to produce a set of potential candidates of computer program code meeting a constraint of the query, wherein the query searches the database for a portion of the computer program code having static information indicating that the portion of the computer program code contains a call to a database management system, and having dynamic information indicating that the portion of the computer program code is subject to a call by another portion of computer program code;

if insufficient candidates are returned by the query, then providing for a relaxing of the constraint, and a repetition of the query; and

identifying a portion of the computer program code as a candidate for re-implementation as a database stored procedure call.

5. (Original)   The method of claim 4 wherein the query searches the database for a portion of the

computer program code having static information indicating that the portion of the computer

program code contains a number, above a specified first threshold, of calls to a database

management system, and having dynamic information indicating that the portion of the computer

program code is subject to a number of calls, above a specified second threshold, by another portion

of computer program code.

6. (Canceled)

7. (Currently Amended)   The method of claim 1 ~6~ wherein the query searches the database for a

portion of the computer program code having static information indicating that the portion of the

computer program code contains a transaction call.

8. (Original)   The method of claim 7 wherein the query also searches the database for a portion of

the computer program code having static information indicating that the portion of the computer

program does not contain screen output related program code.

9. (Currently Amended)   An article of manufacture for use in a computer system for identifying a

portion of computer program code as a candidate for a modification, said article of manufacture

comprising a computer-readable storage medium having a computer program embodied in said

medium which causes the computer system to execute a method:

    scanning and parsing source code corresponding to the computer program code   to

determine static information concerning the computer program code;

    storing the static information in a database;

    collecting dynamic information concerning the computer program code during an execution

of the computer program code;

    storing the dynamic information in the database;

    developing relationships and dependencies responsive to the static information and dynamic

information stored in database;

    storing the relationships and dependencies in the database; and

    providing for a query of the database to produce a set of potential candidates of computer

program code meeting a constraint of the query, wherein the query identifies a portion of the

computer program code as a candidate for re-implementation as a Web-enabling interface call.

10. (Original)   The article of manufacture of claim 9 wherein if insufficient candidates are

returned by the query, then providing for a relaxing of the constraint, and a repetition of the query.

11. (Original)   The article of manufacture of claim 10 wherein the embodied computer program

causes the computer system to execute the method step of identifying a portion of the computer

program code as a candidate for re-implementation as a database stored procedure call.

12. (Previously Amended)   An article of manufacture for use in a computer system for identifying a portion of computer program code as a candidate for a modification, said article of manufacture comprising a computer-readable storage medium having a computer program embodied in said medium which causes the computer system to execute a method comprising:

scanning and parsing source code corresponding to the computer program code   to determine static information concerning the computer program code;

storing the static information in a database;

collecting dynamic information concerning the computer program code during an execution of the computer program code;

storing the dynamic information in the database;

developing relationships and dependencies responsive to the static information and dynamic information stored in database;

storing the relationships and dependencies in the database;

providing for a query of the database to produce a set of potential candidates of computer program code meeting a constraint of the query wherein the query searches the database for a portion of the computer program code having static information indicating that the portion of the computer program code contains a call to a database management system, and having dynamic information indicating that the portion of the computer program code is subject to a call by another portion of computer program code;

if insufficient candidates are returned by the query, then providing for a relaxing of the constraint, and a repetition of the query; and

identifying a portion of the computer program code as a candidate for re-implementation as a

database stored procedure call.

13. (Original)   The article of manufacture of claim 12 wherein the query searches the database for

a portion of the computer program code having static information indicating that the portion of the

computer program code contains a number, above a specified first threshold, of calls to a database

management system, and having dynamic information indicating that the portion of the computer

program code is subject to a number of calls, above a specified second threshold, by another portion

of computer program code.

14. (Canceled)

15. (Currently Amended)   The article of manufacture of claim 9 ~~14~~ wherein the query searches

the database for a portion of the computer program code having static information indicating that

the portion of the computer program code contains a transaction call.

16. (Original)   The article of manufacture of claim 15 wherein the query also searches the database

for a portion of the computer program code having static information indicating that the portion of

the computer program does not contain screen output related program code.

17. (Currently Amended)   A computer system for identifying a portion of computer program code

as a candidate for a modification, said computer system comprising :

    a parser for scanning and parsing source code corresponding to the computer program code

to determine static information concerning the computer program code;

    an execution monitor for collecting dynamic information concerning the computer program

code during an execution of the computer program code;

    relationships and dependencies developed responsive to the static information and dynamic

information;

    a database for storing the static information, the dynamic information, and the relationships

and dependencies; and

    a query of the database to produce a set of potential candidates of computer program code

meeting a constraint of the query, wherein the query identifies a portion of the computer program

code as a candidate for re-implementation as a Web-enabling interface call.

18. (Original)   The computer system of claim 17 wherein if insufficient candidates are returned by

the query, then providing for a relaxing of the constraint, and a repetition of the query.

19. (Original)   The computer system of claim 18 further comprising an identification of a portion

of the computer program code as a candidate for re-implementation as a database stored procedure

call.

20. (Previously Amended)   A computer system for identifying a portion of computer program code as a candidate for a modification, said computer system comprising :

a parser for scanning and parsing source code corresponding to the computer program code to determine static information concerning the computer program code;

an execution monitor for collecting dynamic information concerning the computer program code during an execution of the computer program code;

relationships and dependencies developed responsive to the static information and dynamic information;

a database for storing the static information, the dynamic information, and the relationships and dependencies; and

a query of the database to produce a set of potential candidates of computer program code meeting a constraint of the query wherein the query searches the database for a portion of the computer program code having static information indicating that the portion of the computer program code contains a call to a database management system, and having dynamic information indicating that the portion of the computer program code is subject to a call by another portion of computer program code, and wherein if insufficient candidates are returned by the query, then providing for a relaxing of the constraint, and a repetition of the query; and

a portion of the computer program code identified as a candidate for re-implementation as a database stored procedure call.

21. (Original)   The computer system of claim 20 wherein the query searches the database for a

portion of the computer program code having static information indicating that the portion of the

computer program code contains a number, above a specified first threshold, of calls to a database

management system, and having dynamic information indicating that the portion of the computer

program code is subject to a number of calls, above a specified second threshold, by another portion

of computer program code.

22. (Canceled)

23. (Currently Amended)   The computer system of claim 17 ~~22~~ wherein the query searches the

database for a portion of the computer program code having static information indicating that the

portion of the computer program code contains a transaction call.

24. (Original)   The computer system of claim 23 wherein the query also searches the database for

a portion of the computer program code having static information indicating that

the portion of the computer program does not contain screen output related program code.